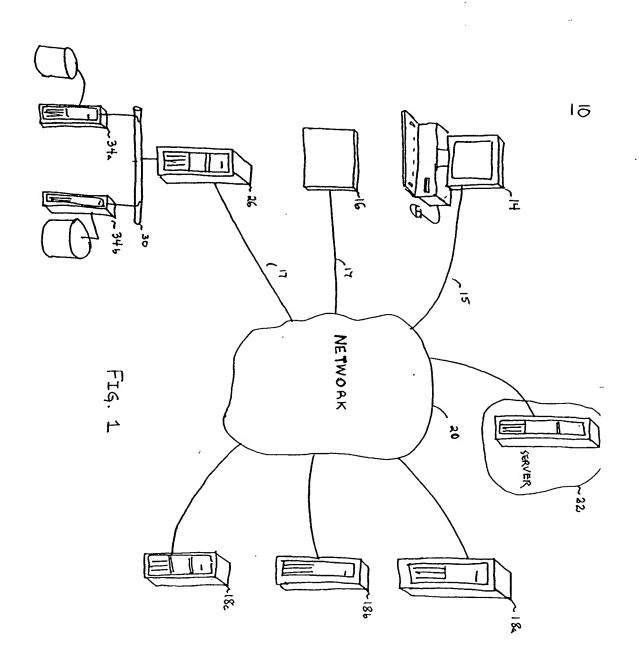
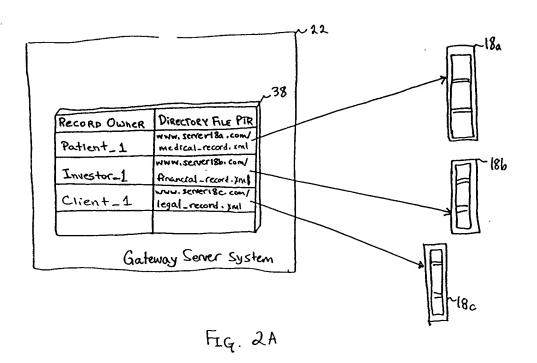
Title: System and Method for Providing Personal Control of Access to Confidential Records Over a Public Network Inventor: Kohane et al. Express Mail Mailing Label No. EL988705687US Atty. Docket No. CMC-007C1 Atty: JACamacho/SKWitonsky Sheet 1 of 7



Title: System and Method for Providing Personal Control of Access to Confidential Records Over a Public Network Inventor: Kohane et al. Express Mail Mailing Label No. EL988705687US Atty. Docket No. CMC-007C1 Atty: JACamacho/SKWitonsky Sheet 2 of 7



		122	
			1 ³⁹
Agent name agent_1 agent_2 agent_2	Agent role owner staff research	pwd_1 pwd_2 pwd_3	
agent-3	staff	pwd-4 er systea	

FIG 2B

Title: System and Method for Providing Personal Control of Access to Confidential Records Over a Public Network Inventor: Kohane et al.

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Document Type Definition

```
<!-- Root Directory Structure -->
<!ELEMENT Record-root (Owner, Header, Data)>
                                                                 440
<!ATTLIST Record-root name CDATA '/'>
<!ELEMENT Record-object (Header, Data, Annotation*)>
<!ATTLIST Record-object name CDATA #REQUIRED
                                                                 <del>1</del>44
                      type CDATA #IMPLIED
                      url CDATA #IMPLIED>
<!ELEMENT Header (Author, Owner?, Creation-date, Privileges)>
                                                                 748
<! ELEMENT Author EMPTY>
<!ATTLIST Author alias CDATA #REQUIRED>
                                                                 ∱52
<!ELEMENT Owner EMPTY>
                                                                   56
<!ATTLIST Owner alias CDATA #REQUIRED>
<!ELEMENT Creation-date EMPTY>
                                                                 460
<!ATTLIST Creation-date time CDATA #IMPLIED>
<!ELEMENT Privileges (Privilege*)>
<!ELEMENT Privilege EMPTY>
<!ATTLIST Privilege role
                              CDATA #REQUIRED
                                                                   64
                              (t|f) 'f'
                    create
                              (t|f) 'f'
                              (t|f) 'f'
                    modify
                              (t|f) 'f'
                    delete
                    annotate (t|f) 'f' >
<!-- the data section -->
                                                                   -68
<!ELEMENT Data (Record-object*)>
<!ATTLIST Data type CDATA 'text/xml'
               url CDATA #REQUIRED>
<!ELEMENT Annotation (Ann-author, Ann-date, Ann-text)>
<!ELEMENT Ann-author (#PCDATA)>
                                                                  472
<!ELEMENT Ann-date (#PCDATA)>
<!ATTLIST Ann-date datestring CDATA #IMPLIED>
<!ELEMENT Ann-text (#PCDATA)>
```

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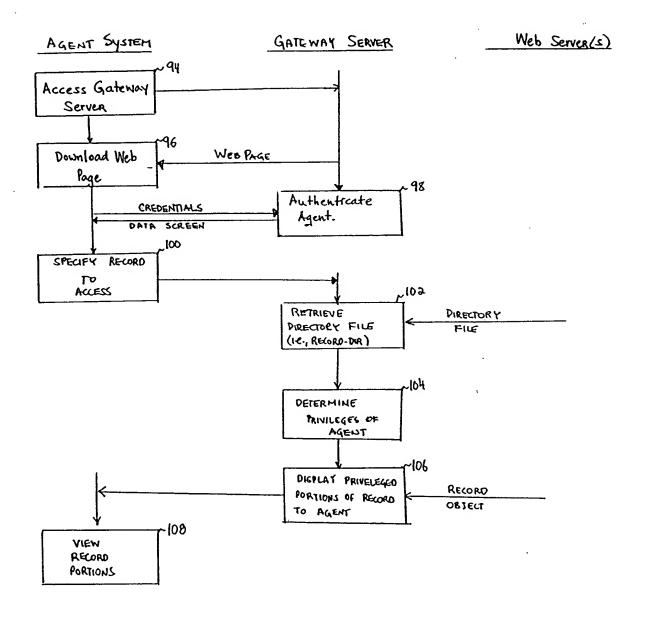
Atty: JACamacho/SKWitonsky

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```
<!DOCTYPE Data SYSTEM "record.dtd">
<Data>
  <Record-object name="BGL 1">
    <Header>
      <Author alias="glucometer" />
      <Creation-date time="3/10/1999 7:00:00" />
      <Privileges>
                                                                                -84
        <Privilege role="owner" read="t" modify="t" annotate="t" />
        <Privilege role="staff" read="t" delete="t" annotate="t" />
86
        <Privilege role="other" read="t"</pre>
      </Privileges>
    </Header>
    <Data url="http://www.server18a.org/doc/xml/bgl1.xml"></Data>
  </Record-object>
  <Record-object name="BGL 2">
    <Header>
      <Author alias="glucometer" />
      <Creation-date time="3/10/1999 7:00:00" />
      <Privileges>
        <Privilege role="owner" read="t" modify="t" annotate="t" />
        <Privilege role="staff" read="t" delete="t" annotate="t" />
<Privilege role="other" read="t"</pre>
90
      </Privileges>
    </Header>
    <Data url="http://www.server18a.org/doc/xml/bgl2.xml"></Data>
  </Record-object>
  <Record-object name="BGL 3">
                                                                                92
    <Header>
       <Author alias="glucometer" />
       <Creation-date time="3/10/1998 9:00:00" />
       <Privileges>
        <Privilege role="owner" read="t" modify="t" annotate="t" />
<Privilege role="staff" read="t" delete="t" annotate="t" />
       </Privileges>
     </Header>
    <Data url="http://www.server18b.org/doc/xml/bgl3.xml"></Data>
  </Record-object>
</Data>
```

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```
~120
      <!DOCTYPE Record-object SYSTEM
                                              "record.dtd">
      <Record-object type="record-dir" name="Immunizations">
        <Header>
          <Author alias="ann">Ann</Author>
          <Creation-date time="5/7/1999 00:53:00" />
                                                                             _123
          <Privileges>
            <Privilege role="owner" read="t" create="t" modify="t"</pre>
          </Privileges>
        </Header>
        <Data>
          <Record-object name="imm-l">
            <Header>
              <Author alias="ann">Ann</Author>
              <Creation-date time="5/7/1999 00:53:00"</pre>
124.
                <Privilege role="owner" read="t" annotate="t" />
              </Privileges>
            </Header>
            <Data url="http://www.server18a.org/doc/xml/imm-1.xml">
          </Record-object>
          <Record-object name="imm-2">
            <Header>
              <Author alias="ann">Ann</Author>
              <Creation-date time="5/7/1999 00:53:00" />
158 2
              <Privileges>
                <Privilege role="owner" read="t" annotate="t"</pre>
              </Privileges>
            </Header>
            <Data url="http://www.server186.org/doc/xml/imm-2.xml">
          </Record-object>
        </Data>
       </Record-object>
```

120

```
<!DOCTYPE Record-object SYSTEM
                                                *record.dtd">
       <Record-object type="record-dir" name="Immunizations">
         <Header>
           <Author alias="ann">Ann</Author>
           <Creation-date time="5/7/1999 00:53:00" />
                                                                            123
           <Privileges>
                                                            -132
              <Privilege role="owner" read="t" create="t" modify="t" />
              <Privilege role="doc-1" read="t" />
         </Header>
         <Data>
            <Record-object name="imm-l">
              <Header>
                <Author alias="ann">Ann</Author>
                <Creation-date time="5/7/1999 00:53:00"</pre>
                <Privileges>
                  <Privilege role="owner" read="t" annotate="t" />
24
                  <Privilege role="doc-1" read="t" annotate="t" />
                </Privileges>
                                                             -146
              </Header>
              <Data url="http://www.server18a.org/doc/xml/imm-1.xml"></Data>
            </Record-object>
            <Record-object name="imm-2">
              <Header>
                <Author alias="ann">Ann</Author>
                <Creation-date time="5/7/1999 00:53:00" />
                <Privileges>
                  <Privilege role="owner" read="t" annotate="t" />
128
                  <Privilege role="doc-1" read="t" annotate="t" />
                </Privileges>
                                                           -148-
              </Header>
              <Data url="http://www.server18b.org/doc/xml/imm-2.xml"></Data>
            </Record-object>
          </Data>
        </Record-object>
```